

Capital Budget Request Presentation

Public Works



Traffic and Street Lighting Programs and Projects

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TRAFFIC CONTROL & STREET LIGHTING

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TR008 Parkway Street Light Replacement



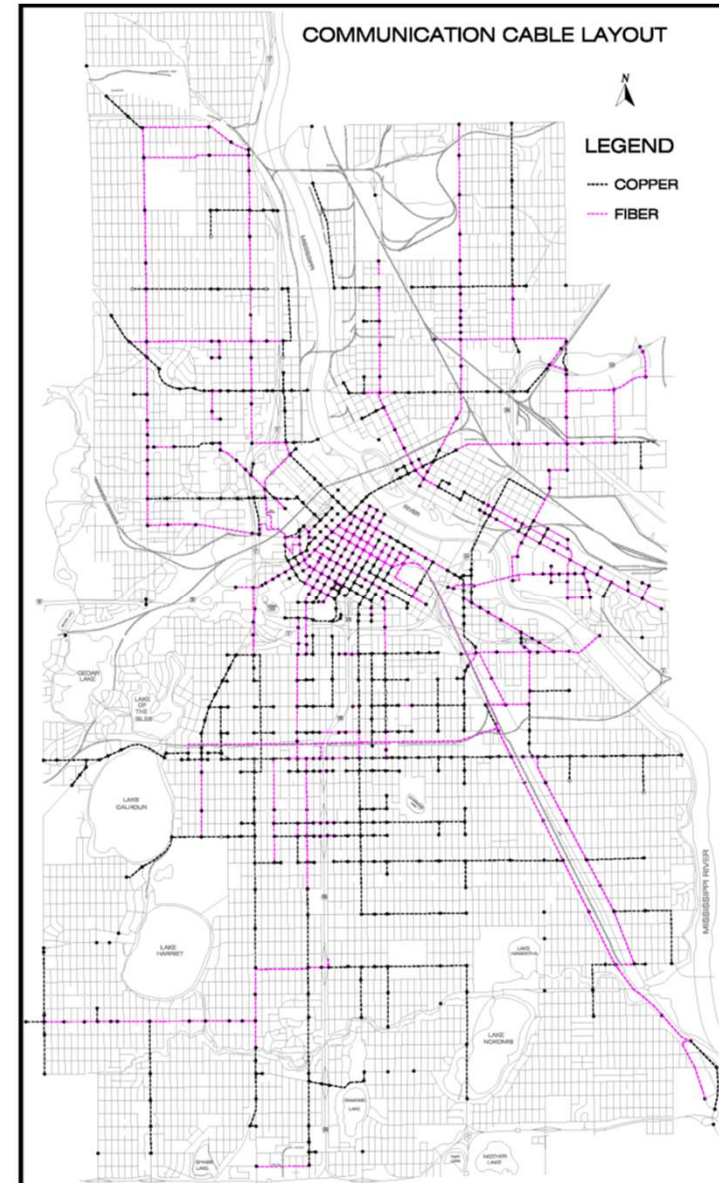
TR008 Parkway Street Light Replacement

Project Description: This is an existing City-Wide project. The project is a replacement of underground wiring and lights adjacent to the Parkway System. Based on anticipated funding, approximately 26 poles can be fully replaced each year. There are approximately 630 poles remaining to be replaced.

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$350	\$350	\$350	\$350	\$400	\$400
Total	\$350	\$350	\$350	\$350	\$400	\$400



TR010 Traffic Management Systems



TR010 Traffic Management Systems

Project Description: The goal of this program is to improve and enhance mobility and safety throughout the City of Minneapolis for pedestrians, bicyclists, transit, and motorists.

Projects:

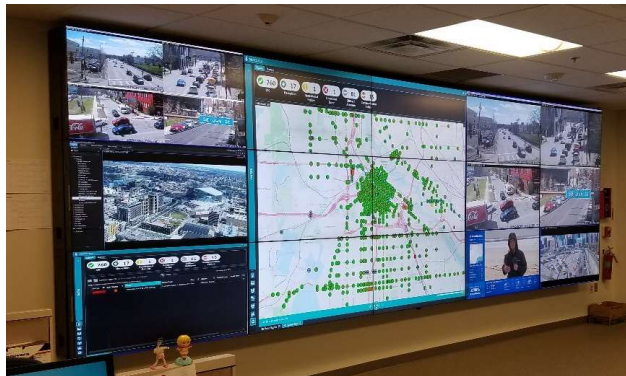
- Installation of traffic signal interconnect cable to several signalized intersections that are currently not connected to the Traffic Management Center (TMC)
- Upgrade of existing traffic signal interconnect system to insure quality communications with traffic signals to bring back video detection and PTZ cameras images at various locations.



TR010 Traffic Management Systems

Project Benefits :

- Enable TMC staff to remotely monitor these intersections, adjust signal operations remotely as needed, and improve coordination with adjacent signals.
- Stabilize and enhance communications to the traffic signals. This will allow for more video detection and PTZ camera images to be brought back to the TMC.



TR010 Traffic Management Systems

Additional Funding:

- Hennepin County - CSA
- Federal Funding Opportunity

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$250	\$1,150	\$1,325	\$1,200	\$1,600	\$1,600
CSA	\$0	\$250	\$250	\$250	\$250	\$250
Federal	\$0	\$2,500	\$2,400	\$0	\$0	\$0
Total	\$250	\$3,900	\$3,975	\$1,450	\$1,850	\$1,850



TR011 City Street Light Renovation

Project Description: This is an existing City-Wide project. The project is the replacement of street lights and service cabinets. A majority of the street lights were installed 40 to 50 years ago.

Benefits:

- Maintain street illumination
- Maintain safety
- Improve aesthetics



TR011 City Street Light Renovation

Projects:

- Replace hazardous poles
- Convert to LED fixtures
- New lighting cabinets
- In-place pole painting and preservation

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
Total	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500



TR021 Traffic Signals

Project Description: The goal of this program is to improve the overall safety of the transportation system within the City of Minneapolis.

Projects:

- Replacement of 30+ year old and obsolete traffic signal system equipment including signal poles, mast arms, foundations, traffic signal control cabinets, wiring, and underground conduits
- Replacement of State Trunk Highway signal systems
- Replacement of red and green LED illumination indications
- Replacement of traditional pedestrian signal indications with countdown timer pedestrian signal indications



TR021 Traffic Signals

Replacement of 30+ year old/obsolete traffic signal system equipment:



TR021 Traffic Signals

Additional Funding:

- Hennepin County - CSA

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$1,100	\$1,300	\$1,250	\$2,250	\$2,250	\$2,250
CSA	\$0	\$0	\$250	\$250	\$250	\$250
Total	\$1,100	\$1,300	\$1,500	\$2,500	\$2,500	\$2,500

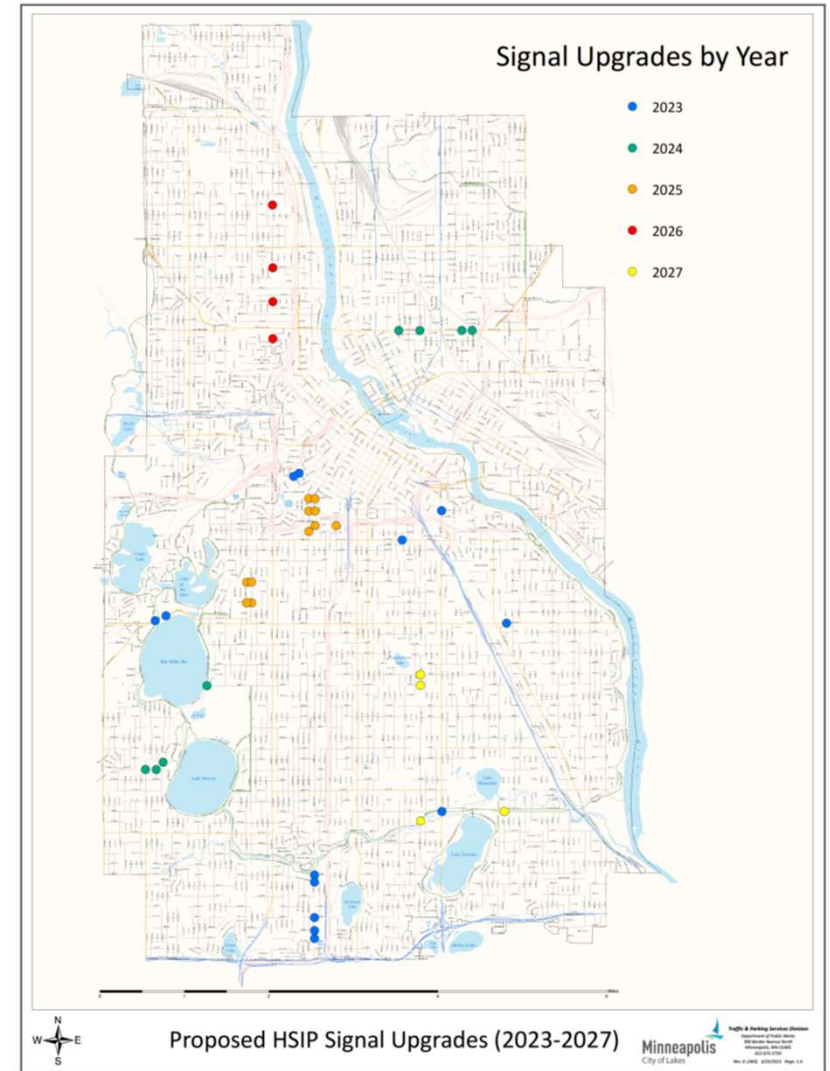


TR022 Traffic Safety Improvements

Project Description: The goal of this program is to increase safety at traffic signals and along the roadways throughout the City for the motorists, bicyclists, and pedestrians.

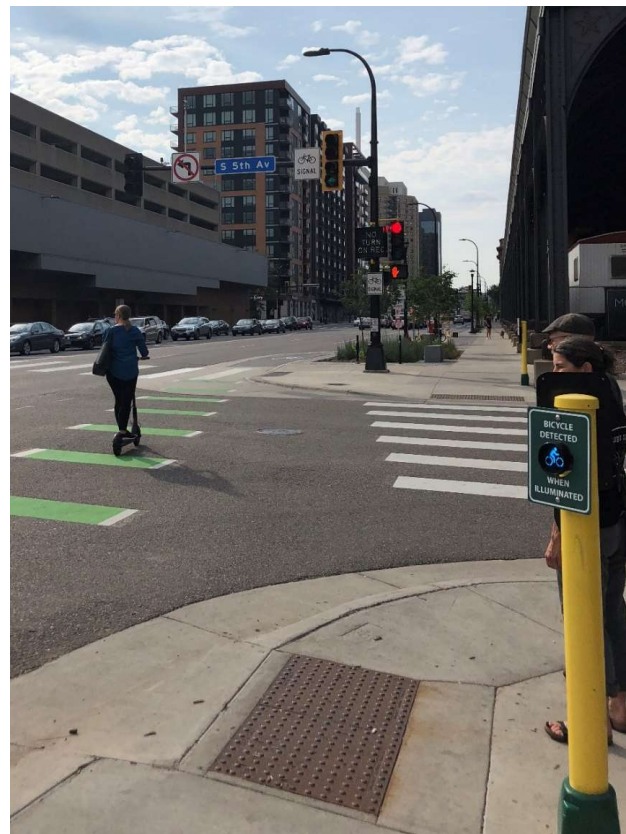
Projects:

- Improving traffic signals for bicycles and pedestrians
- Installing overhead signal indications on mastarms
- Installing durable pavement markings
- Installing Accessible Pedestrian Signals (APS)



TR022 Traffic Safety Improvements

Bicycle Improvements:



TR022 Traffic Safety Improvements

Improve Signal Visibility:



TR022 Traffic Safety Improvements

Pedestrian Improvements:



TR022 Traffic Safety Improvements

Additional Funding:

- Hennepin County - CSA
- Federal Highway Safety Improvement Program (HSIP)

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$3,750	\$7,290	\$2,525	\$1,650	\$2,000	\$2,000
CSA	\$500	\$0	\$0	\$0	\$500	\$500
Federal	\$3,150	\$3,420	\$2,610	\$1,980	\$0	\$0
Total	\$7,400	\$10,710	\$5,135	\$3,630	\$2,500	\$2,500



TR024 Pedestrian Street Lighting Corridors

Project Description: The goal of this program is to fund accelerated installation of pedestrian level street lighting along the Pedestrian Street Lighting Corridors (PSLC) network, as defined by the Minneapolis Street Lighting Policy (adopted 2009, amended 2015).

Projects:

- Public Works intends to install about 60 street lights per year
- All lighting installed as part of this project will have LED fixtures
- All new lighting will be full-cutoff style
- 15' poles or mixture of high and low poles depending on street width



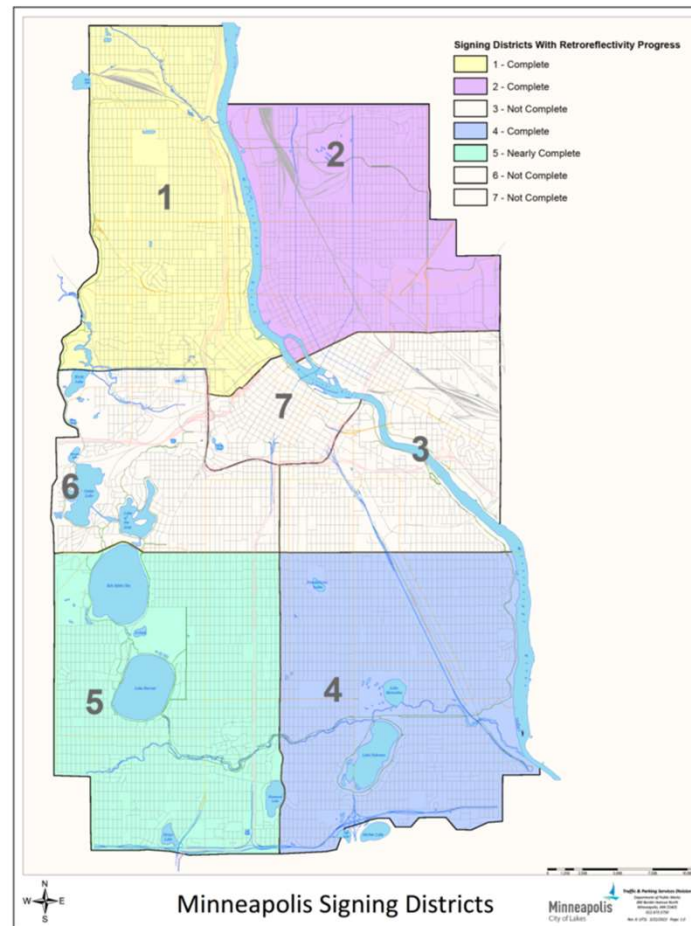
TR024 Pedestrian Street Lighting Corridors

Additional Info: TR024 funding is for stand alone street lighting installation. Costs for pedestrian lighting on PSLC streets undergoing full street reconstruction are incorporated into the individual project capital request. Lighting is required to be added adjacent to development projects on PSLC streets at the developer's expense.

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Total	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000



TR025 Sign Replacement Program



TR025 Sign Replacement Program

Project Description: The goal of this program is to increase sign visibility by upgrading roadway signs to meet the minimum retro-reflectivity levels mandated by the Federal Government.

Implementation: The City has chosen the Blanket Replacement Method where all signs in an area/corridor, or of a given type, should be replaced at specified intervals (10 to 15 years).

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$895	\$895	\$895	\$895	\$895	\$895
Total	\$895	\$895	\$895	\$895	\$895	\$895



TR99R REIMBURSABLE TRANSPORTATION PROJECTS

Project Description: These funds are requested to all Public Works Traffic Operations to do “work for others” (public and private) which will be reimbursed by the requesting agency, business or individual.

Benefits:

- Traffic can be responsive to developments with work affecting infrastructure in the right-of-way
- Infrastructure is upgraded to current standards
- Combining traffic improvements with other projects lowers costs of the improvements

Proposed Funding (in Thousands)						
Source	2024	2025	2026	2027	2028	2029
Net Debt Bonds	\$600	\$600	\$600	\$600	\$600	\$600
Total	\$600	\$600	\$600	\$600	\$600	\$600



Thank You!

Email Questions to
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